

# ABSTRACT OF DISCLOSURE

Pulp fibers can be treated with chemical additives with a minimal amount of unretained chemical additives present later in the process water. The present invention is a method for preparing chemically treated pulp fiber. A fiber slurry is created comprising process water and pulp fibers. The fiber slurry is transported to a web-forming apparatus of a pulp sheet machine thereby forming a wet fibrous web. The wet fibrous web is dried to a predetermined consistency thereby forming a dried fibrous web. The dried fibrous web is treated with a chemical additive thereby forming a chemically treated dried fibrous web. The dried fibrous web contains chemically treated pulp fibers. The chemically treated pulp fibers retain from between about 10 to about 100 percent of the applied amount of the chemical additive when the chemically treated pulp fibers are redispersed in water.